

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA  
FIELD OFFICE  
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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

CROP CONDITIONS CONTINUE DECLINE

Crop condition ratings continued to decline due to hot dry weather this past week, according to USDA-NASS, Minnesota Field Office. Topsoil moisture supplies across the state were rated sixty-five percent Short or Very Short. Though some areas received light precipitation, most areas need rain to relieve crop stress and improve topsoil and subsoil conditions. Spraying for soybean aphids continues in the southern districts.

The average temperature for the week was 69.9°, 0.7° above normal. Statewide topsoil moisture supplies as of Friday were rated 19% very short, 46% short, 35% adequate, and 0% surplus.

Corn grew an estimated 15 inches to an average of 60 inches tall as of Sunday, July 9<sup>th</sup>, 17 inches taller than the five-year average. Corn was beginning to tassel with silking estimated at 4%. Corn condition declined 12 percentage points since last week with 69% rated in good to excellent condition. Soybean height was estimated at 15 inches, 3 inches taller than the five-year average height. Thirty-nine percent of soybeans were blooming compared to 22% for the five-year average.

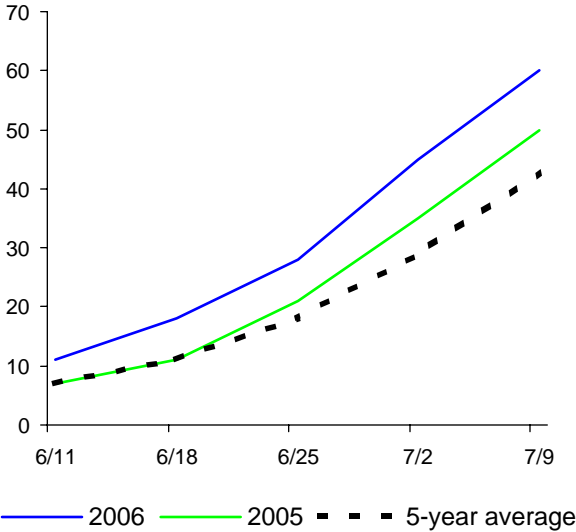
Spring Wheat was 95% heading compared to 74% for the five-year average. Spring Wheat turning ripe was estimated at 23% compared to 6% for the five-year average. Crop condition declined 11 % from last week with 53% rated in good to excellent condition.

Days Suitable for Fieldwork: 6.8				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	19	46	35	0

Crop Progress as of July 9, 2006					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Height - Inches	60	45	50	43
	Silking	4	1	1	2
Soybeans	Height - Inches	15	12	14	12
	Blooming	39	20	31	22
Oats	Heading	97	91	86	84
	Turning Ripe	42	5	16	14
	Harvested	4	NA	0	0
Barley	Heading	95	84	84	73
	Turning Ripe	27	4	5	6
	Harvested	2	NA	0	0
Spring Wheat	Heading	95	84	82	74
	Turning Ripe	23	4	6	6

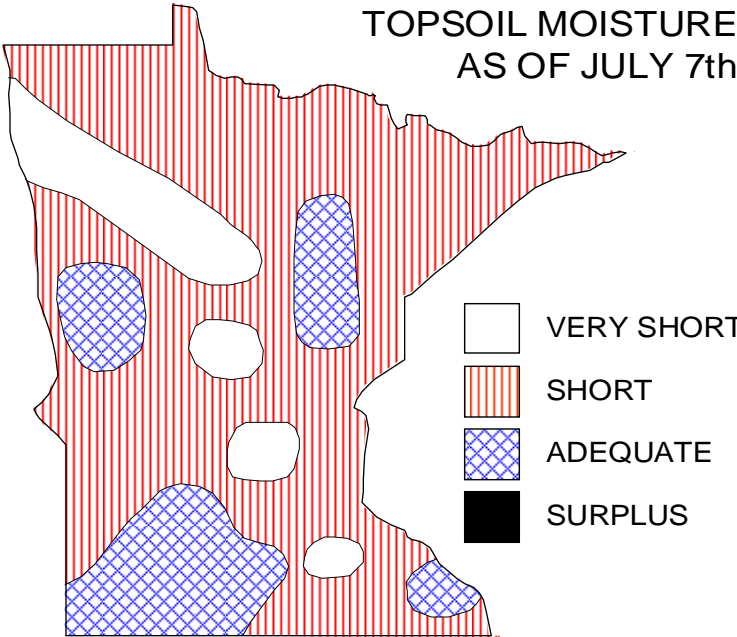
Crop Condition as of July 7, 2006 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	11	21	40	25	3
Corn	3	7	21	50	19
Soybeans	3	8	21	53	15
Alfalfa	7	13	34	41	5
Spring Wheat	4	13	30	43	10
Oats	7	13	28	45	7
Barley	4	11	26	56	3
Sugarbeets	2	12	21	41	24
Dry Beans	4	15	35	38	8
Potatoes	1	5	15	53	26
Sunflower	1	6	23	62	8
Canola	0	9	38	43	10

CORN HEIGHT IN INCHES  
JUNE 11 - JULY 9



Jacob Carter  
Mathematical Statistician

TOPSOIL MOISTURE  
AS OF JULY 7th



Douglas A. Hartwig  
Director

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING JULY 9, 2006:  
Temperatures averaged from 1.5 degrees below normal in the Southwest District to 3.0 degrees above normal in the Northeast District. Extremes: 43 degrees in Hibbing; 95 degrees in Becker and St. Cloud. Precipitation averaged from 0.89 inch below normal in the South Central and Southeast Districts to 0.37 inch below normal in the Northeast District. Greatest weekly total was 0.97 inch recorded in Grand Marais.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/3/2006 through 7/9/2006

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since Norm 4/1	Since May 2	Depart from Norm
<u>NW DIST 1</u>										
Crookston	89	50	69.4	.7	.17	-.58	-2.68	-3.40	1009	67
Moorhead	92	51	71.2	1.5	0	-.71	-2.66	-4.41	1099	115
Warroad	88	50	69.3	2.7	.25	-.63	-.67	-2.35	893	89
<u>NC DIST 2</u>										
Grand Rapids	89	51	69.0	2.3	.38	-.72	-2.90	-3.09	962	142
Intl. Falls	85	45	64.9	-.5	.62	-.21	-.91	-2.04	837	68
Itasca	86	47	68.4	3.1	.16	-.77	-3.26	-3.25	880	123
<u>NE DIST 3</u>										
Duluth	88	53	68.2	3.7	.43	-.55	-1.51	-.27	800	124
Grand Marais	81	51	65.4	6.9	.97	.17	-.96	-1.47	525	110
Hibbing	88	43	63.6	-1.5	.40	-.72	-2.63	-4.83	804	70
<u>WC DIST 4</u>										
Alexandria	88	52	70.2	.9	.06	-.75	-2.72	-4.11	1029	94
Browns Valley	89	48	70.4	-1.1	.21	-.60	-1.67	-.04	1004	-37
Canby	94	53	73.0	.4	.01	-.83	-2.18	-1.72	1131	33
Fergus Falls	87	53	68.0	-1.2	0	-.79	-1.56	1.48	1013	63
Montevideo	90	51	70.8	-.6	0	-.84	-.97	-1.70	1094	45
Morris	87	49	70.0	-.5	.08	-.85	-2.62	-2.45	1043	19
<u>CENT DIST 5</u>										
Becker	95	52	72.8	3.6	0	-.98	-2.68	-3.14	1121	186
Collegeville	93	54	72.6	1.1	.13	-.76	-1.83	-1.82	1178	110
Hutchinson	93	52	72.5	.8	0	-.90	-2.29	-2.32	1150	76
Olivia	91	53	70.2	-.8	0	-.88	-.64	-1.12	1104	47
St. Cloud	95	50	69.0	-.2	.30	-.51	-2.36	-2.19	1066	131
Staples	87	50	68.6	1.8	.20	-.69	-2.62	-3.58	945	103
Willmar	91	53	72.2	1.3	.35	-.60	-2.42	-3.95	1132	92
<u>EC DIST 6</u>										
Aitkin	91	46	67.0	.9	.58	-.50	-2.28	-2.39	900	111
Forest Lake	90	52	71.8	1.5	.14	-.90	-2.08	-.46	1132	121
MSP Airport	91	59	75.0	2.4	0	-.94	-2.33	-.67	1259	157
St. Paul - UofM	89	57	74.6	1.7	0	-1.04	-.88	-.43	1236	94
<u>SW DIST 7</u>										
Lamberton	90	53	70.8	-1.1	.27	-.57	.65	4.82	1114	10
Pipestone	92	46	70.2	-.8	.05	-.75	-1.25	-2.58	1044	16
Redwood Falls	93	52	70.0	-3.1	0	-.89	1.30	.49	1149	-13
Worthington	88	52	70.6	-.1	.07	-.81	-.58	1.67	1117	104
<u>SC DIST 8</u>										
Faribault	90	51	71.2	.2	.15	-.81	-3.20	-4.62	1090	64
Mankato	87	55	70.3	-1.3	.15	-.93	-2.48	-1.43	1109	32
Waseca	90	49	70.5	-.5	.04	-.95	-2.78	-.21	1134	71
Winnebago	91	55	71.8	.1	.09	-.87	-1.80	-.59	1166	80
<u>SE DIST 9</u>										
Preston	87	48	68.0	-2.0	.18	-.89	-2.60	1.29	986	11
Red Wing	91	53	71.8	.3	0	-.97	-3.00	-4.63	1123	66
Rochester	82	54	68.6	-1.1	.24	-.79	-3.13	-1.23	1091	121
Rosemount	90	55	71.7	1.1	.02	-1.04	-2.32	-3.02	1096	82
Winona	90	56	72.9	-1.4	.10	-.84	-2.06	-3.84	1117	-67

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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